

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2004/000967

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7 H04B 7/185

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

H0 1Q 21/26, H04B 1/60, H04B 7/26, H04J 13/00, H04L 12/28

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Korean Patents and applications for inventions since 1975

Korean Utility models and applications for Utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 10-308695 A (TOSHIBA Corp.) 17 November 1998 (17.11.98) See the whole document	1 - 9
A	US 6,339,406 B1 (SONY INTERNATIONAL) 15 January 2002 (15.01.02) See the whole document	1 - 9
A	US 6,157,621 A (TELEDESIC LLC) 05 December 2000 (05.12.00) See the whole document	1 - 9
A	KR 00-4822 A (SHINSEGI COMMUNICATION Corp.) 25 January 2000 (25.01.00) See the whole document	1 - 9
A	KR 02-24836 A (SHALOM ENGINEERING Corp.) 03 April 2002 (03.04.02) See the whole document	1 - 9

 Further documents are listed in the continuation of Box C. See patent family annex.

\* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance  
 "E" earlier application or patent but published on or after the international filing date  
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 "O" document referring to an oral disclosure, use, exhibition or other means  
 "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  
 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  
 "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art  
 "&" document member of the same patent family

Date of the actual completion of the international search

16 JULY 2004 (16.07.2004)

Date of mailing of the international search report

19 JULY 2004 (19.07.2004)

Name and mailing address of the ISA/KR


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**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No.  
PCT/KR2004/000967

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 10-308695 A	17.11.98	EP 936766 A1 WO 9901957 A1	18.08.99. 14.01.99.
US 6,339,406 B1	15.01.02	None	
US 6,157,621 A	05.12.00	None	
KR 00-4822 A	25.01.00	None	
KR 02-24836 A	03.04.02	None	

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